

## ARTIFICIAL LIVER APPARATUS AND METHOD

- Artificial liver devices and methods for using the devices to purify a biological fluid are disclosed. The methods include the use of living hepatocytes (23) which are either unattached or attached to inert carriers and suspended in a cell
- 5 culture medium which circulates in the devices with the hepatocytes (23). Blood or plasma passes on one side (7") of semi-permeable membranes, on the other side (7) of which is the cell culture medium and across which is a concentration and/or pressure gradient. Solutes diffusing across the membrane into the cell culture medium are
- metabolized by the hepatocytes (23) and/or captured by additional removal means (4).
- 10 Those undesirable substances which do not diffuse out of the blood or plasma into the hepatocyte containing culture medium are captured by additional removal means (50).